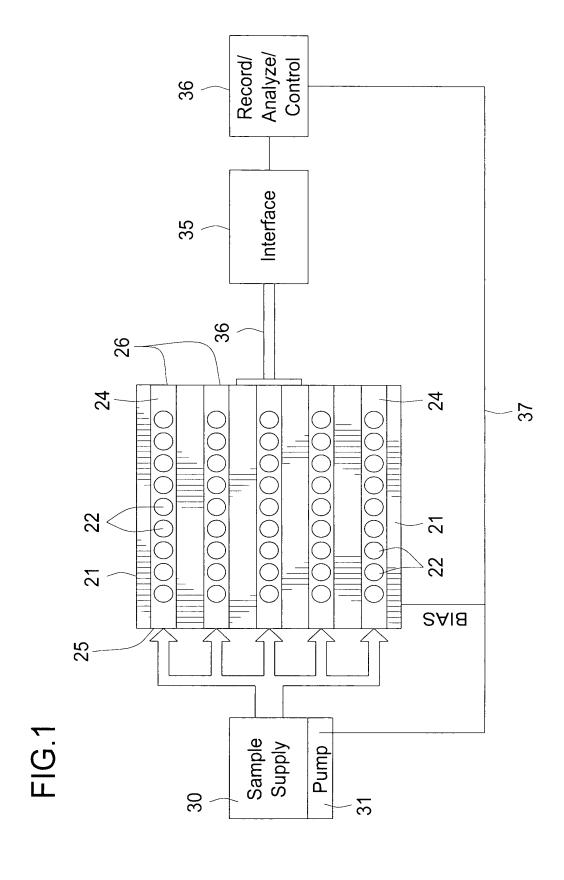
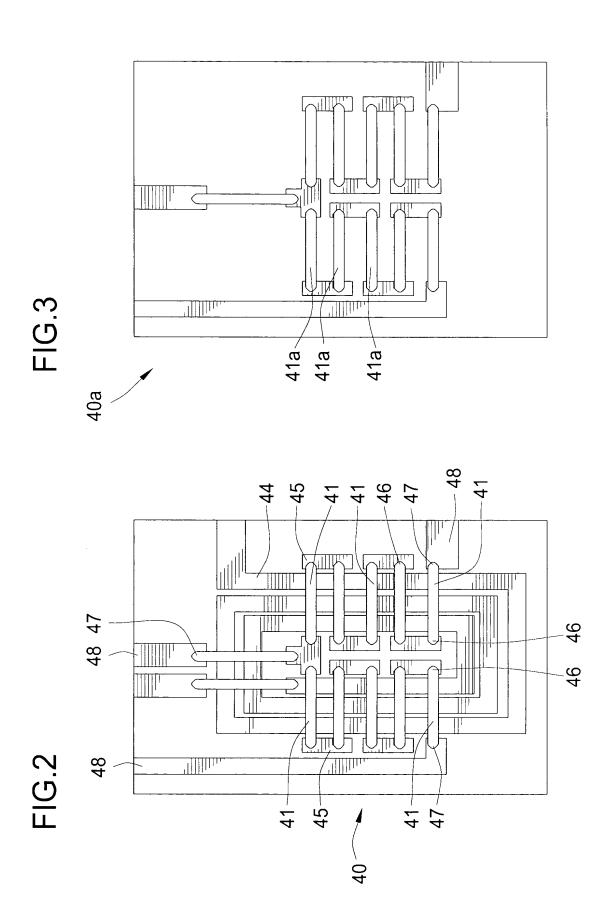
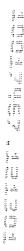
1 4

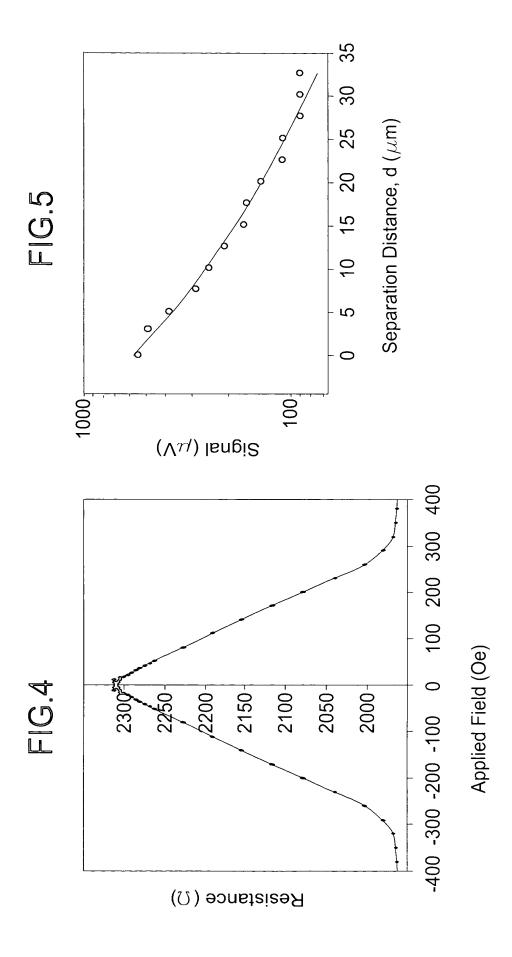
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Attorney Docket 501677, Telephone (815) 963-7061

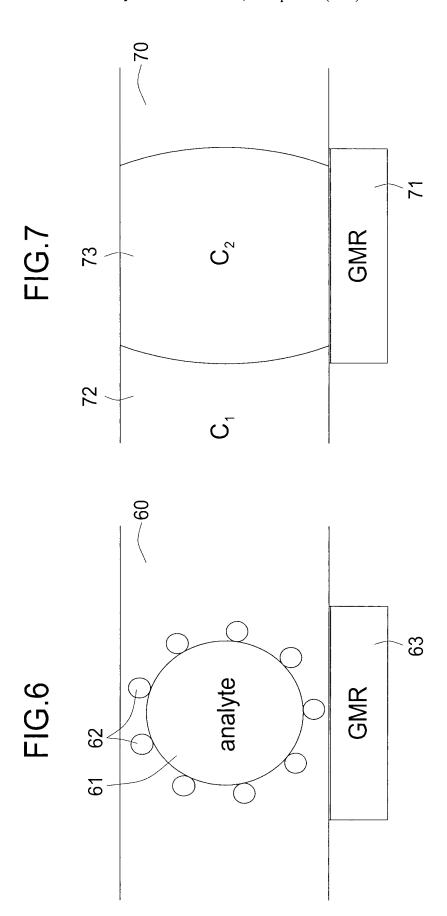












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FIG. 8

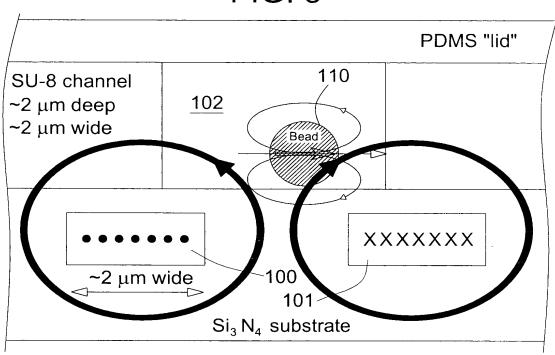
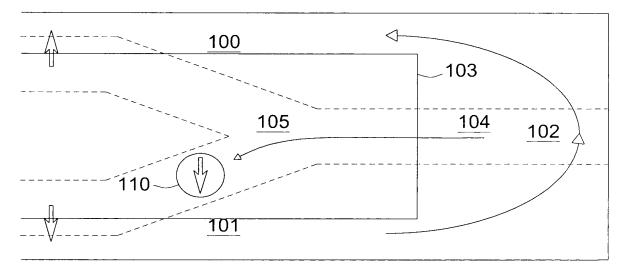


FIG. 9



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FIG. 10

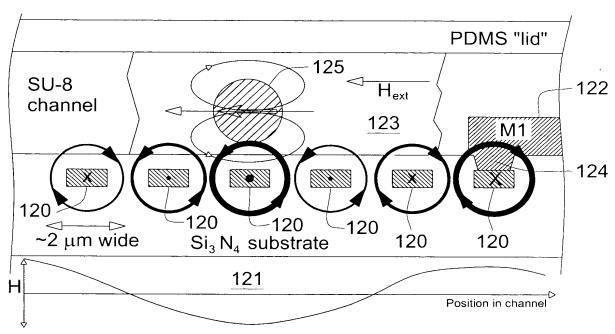
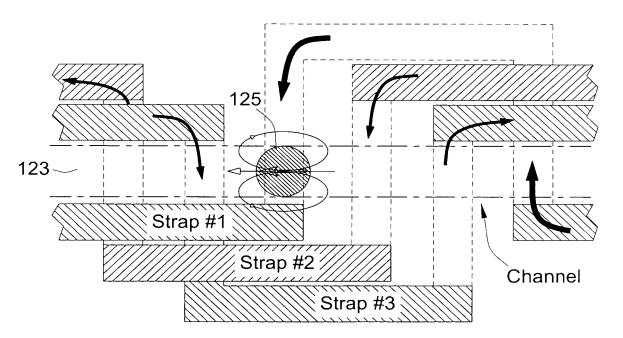


FIG. 11



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FIG. 12
130

PDMS "lid"

SU-8
channel

GMR Detector

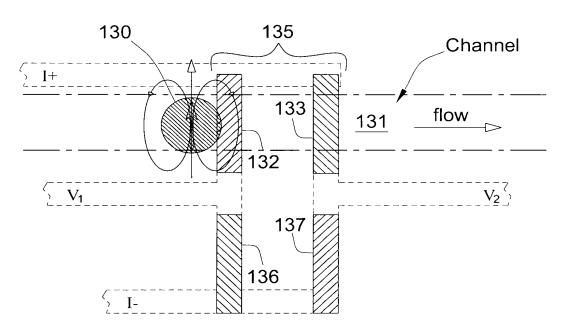
M0

~2 μm wide

135

Si<sub>3</sub> N<sub>4</sub> substrate

FIG. 13



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FIG. 14

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